

Title (en)  
Well drilling apparatus

Title (de)  
Einrichtung zur Herstellung von Bohrungen im Boden

Title (fr)  
Dispositif pour la réalisation d'un puits dans un sol

Publication  
**EP 2157277 B1 20110921 (FR)**

Application  
**EP 09290620 A 20090807**

Priority  
FR 0804610 A 20080818

Abstract (en)  
[origin: EP2157277A1] The device (Dr) has mounting units (40) mounting a rod (10) in a tubing (30) such that axes (11, 31) of the rod and the tubing are confounded, distal ends (13, 33) of the rod and the tubing are at the same level and a drilling tool (20) e.g. impactor, emerges from the distal end of the tubing. A set of driving units (50) drives the rod in rotation around the axis of the rod in a direction (S1) to excavate a well by the tool. Another set of driving units (60) drives the tubing in rotation around the axis of the tubing in another opposite direction (S2) when the well is drilled by the tool.

IPC 8 full level  
**E21B 3/02** (2006.01); **E21B 7/00** (2006.01); **E21B 7/20** (2006.01)

CPC (source: EP US)  
**E21B 3/02** (2013.01 - EP US); **E21B 7/002** (2013.01 - EP); **E21B 7/20** (2013.01 - EP)

Cited by  
CN106225063A; EP3272992A4; US11180962B2; US11149501B2; US10711520B2; US10711521B2; US10851588B2; US10961779B2; US11098530B2; US11808151B2

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

DOCDB simple family (publication)  
**EP 2157277 A1 20100224**; **EP 2157277 B1 20110921**; AT E525547 T1 20111015; ES 2373020 T3 20120130; FR 2935015 A1 20100219; FR 2935015 B1 20101105; PL 2157277 T3 20120131

DOCDB simple family (application)  
**EP 09290620 A 20090807**; AT 09290620 T 20090807; ES 09290620 T 20090807; FR 0804610 A 20080818; PL 09290620 T 20090807